

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:1390
ANSWERED ON:29.07.2015
PSLV Mission
Senguttuvan Shri Balasubramaniam

Will the Minister of SPACE be pleased to state:

- (a) whether it is true that though the performance and the track record of the old warhorse PSLV are very impressive, the fact remains that they are used for carrying less heavy payloads for launch into low earth orbit;
- (b) if so, the facts thereof;
- (c) whether the Government has any plan to augment the load carrying capacity and higher orbital course of the launch vehicles; and
- (d) if so, the details thereof and if not, the reasons therefor?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH):

(a) PSLV is a versatile launch vehicle, which has an impressive track record of launching satellites to the different orbits like Sun Synchronous Polar Orbit (SSPO), Low Earth Orbit (LEO) and Geosynchronous Transfer Orbit (GTO). Initially, PSLV was designed for launching less heavy payloads into polar orbit. Over the years, the payload carrying capacity of PSLV was increased by the development of XL-variant of PSLV.

(b) The maximum payload launched by PSLV is 1850 Kg in SSPO and 1400 Kg in GTO.

(c) Yes, Madam.

(d) ISRO has already developed Geosynchronous Launch Vehicle with Indigenous cryogenic stage with a capability to launch 2000 Kg payload to GTO. ISRO is developing the next generation GSLV Mk III launch vehicle to launch heavy payloads of 4000 Kg class to GTO.
